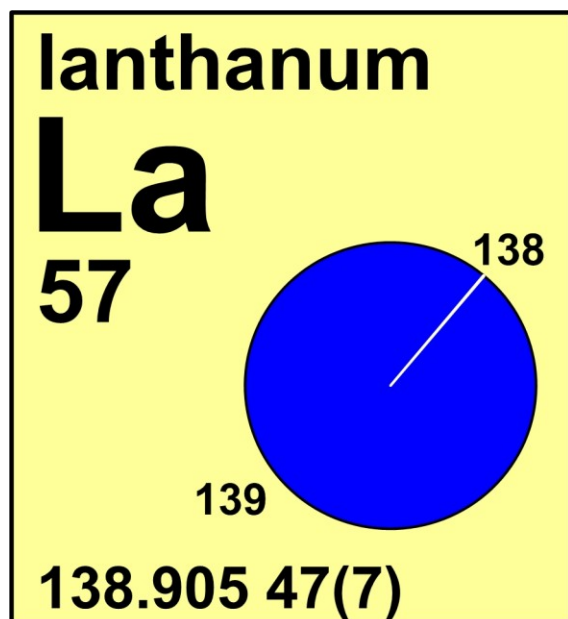


lanthanum

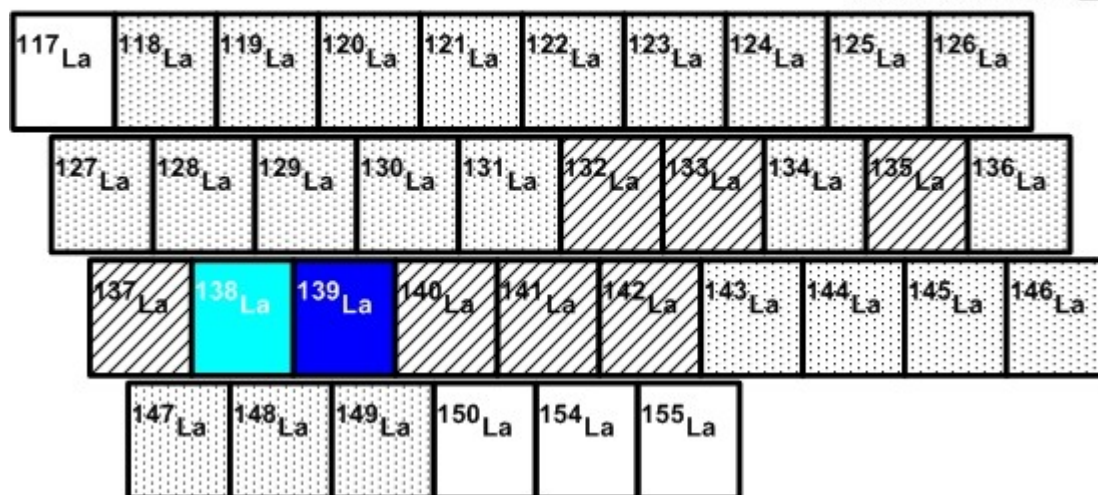


Stable isotope	Atomic mass*	Mole fraction
^{138}La	137.907 112	0.000 90
^{139}La	138.906 3533	0.999 10

* Atomic mass given in unified atomic mass units, u.

Half-life of radioactive isotope

Less than 1 second
Between 1 second and 1 hour
Greater than 1 hour



Important applications of stable and/or radioactive isotopes

Isotopes in geology

- ^{138}La is used for determining formation ages of igneous and metamorphic rocks.

Isotopes in medicine

- ^{139}La is used for the production of the medical radioisotope ^{139}Ce .

**Applications of lanthanum isotopes are still being researched and this page will be updated shortly. **